

§ 163.003–25

and block must then be placed under water and the procedure repeated.

(iv) The procedure in paragraph (c)(6)(iii) of this section must be repeated using a pilot ladder step in place of the standard step.

(v) The ladder step must then be secured in a horizontal position with a block resting on its stepping surface. The block must be of a size similar to the one used in the previous tests and have the same shoe sole surface used in the previous tests. The block must be arranged to apply a vertical load of 40 kg (88 lb.) to the step. The block must be then moved back and forth in the same line from one end of the stepping surface to the other. This must be done for a total of 1,500 cycles.

(vi) The step must again be tested as described in paragraph (c)(6)(iii) of this section, except that the initial position of the block must be on a part of the stepping surface that was subjected to the 1,500 cycles of rubbing.

(vii) The angles at which the block starts to slide on a wet and dry ladder step when tested under paragraphs (c)(6)(iv) and (c)(6)(vi) of this section must be equal to or greater than the corresponding angles measured for the standard step when tested under paragraph (c)(6)(iii) of this section.

§ 163.003–25 Marking.

(a) Each pilot ladder step manufactured under Coast Guard approval must be branded or otherwise permanently and legibly marked on the bottom with—

- (1) The name of the manufacturer;
- (2) The manufacturer's brand or model designation;
- (3) The lot number or date of manufacture; and
- (4) The Coast Guard approval number.

(b) In addition to the markings required under paragraph (a) of this section each step sold as a replacement step must be branded or otherwise permanently and legibly marked with the words "REPLACEMENT STEP ONLY."

[CGD 74–140, 46 FR 63291, Dec. 31, 1981, as amended by CGD 79–032, 49 FR 25456, June 21, 1984]

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§ 163.003–27 Production tests and examination.

(a) *General.* Each ladder produced under Coast Guard approval must be tested in accordance with this section and subpart 159.007 of this chapter. Steps that fail testing may not be marked with the Coast Guard approval number and each assembled ladder that fails testing may not be sold as Coast Guard approved.

(b) *Test No. 1: Steps.* Steps must be separated into lots of 100 steps or less. Steps of different types must be placed in separate lots. One step from each lot must be selected at random and tested as described in § 163.003–21(c)(2) except that supports are placed under the step at the points where it would be attached to suspension members in an assembled ladder. If the step fails the test, ten more steps must be selected at random from the lot and tested. If one or more of the ten steps fails the test, each step in the lot must be tested. No step that has any residual deflection after the test may be used in a ladder represented by the manufacturer as Coast Guard approved.

(c) *Test No. 2: Ladders.* Assembled ladders must be separated into lots of 20 ladders or less. One ladder must be selected at random from the ladders in each lot. The ladder selected must be at least 3 m (10 ft.) long or, if each ladder in the lot is less than 3 m long, a ladder of the longest length in the lot must be selected. The ladder must be tested as prescribed in § 163.003–21(c)(3) except that only a 3 m section of the ladder need be subjected to the static load. If the ladder fails the test, each other ladder in the lot must be tested.

(d) *Independent laboratory.* Each production test must be conducted or supervised by an independent laboratory. However, if a test is performed more than 4 different times per year, laboratory participation is required only 4 times per year. If the laboratory does not participate in all tests, the times of laboratory participation must be as selected by the laboratory. The times selected must provide for effective monitoring throughout the production schedule.

(e) *Visual examination.* The visual examination described in § 163.003–21(b)

must be conducted as a part of each production test.

PART 164—MATERIALS

Subpart 164.003—Kapok, Processed

Sec.

- 164.003-1 Applicable specifications.
- 164.003-2 Grades.
- 164.003-3 Material and workmanship.
- 164.003-4 Inspections and tests.
- 164.003-5 Procedure for approval.

Subpart 164.006—Deck Coverings for Merchant Vessels

- 164.006-1 Applicable specifications.
- 164.006-2 Grades.
- 164.006-3 Construction, materials, and workmanship.
- 164.006-4 Inspection and testing.
- 164.006-5 Procedure for approval.

Subpart 164.007—Structural Insulations

- 164.007-1 Applicable specification and referenced material.
- 164.007-2 Purpose.
- 164.007-3 Conditions of approval.
- 164.007-4 Testing procedure.
- 164.007-5 Test requirements.
- 164.007-6 Test report.
- 164.007-7 Analysis of results.
- 164.007-8 Retests.
- 164.007-9 Procedure for approval.

Subpart 164.008—Bulkhead Panels

- 164.008-1 Applicable specification and reference material.
- 164.008-2 Conditions of approval.
- 164.008-3 Testing procedure.
- 164.008-4 Test requirements.
- 164.008-5 Test report.
- 164.008-6 Retests.
- 164.008-7 Procedure for approval.

Subpart 164.009—Noncombustible Materials for Merchant Vessels

- 164.009-1 General.
- 164.009-3 Noncombustible materials not requiring specific approval.
- 164.009-7 Contents of application.
- 164.009-9 Procedure for approval.
- 164.009-11 Furnace apparatus.
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- 164.009-21 Laboratory report.
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- 164.012-5 Scope.
- 164.012-10 Requirements.
- 164.012-11 Marking.
- 164.012-12 Recognized laboratory.
- 164.012-13 Examinations, tests, and inspections.
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- 164.013-1 Scope.
- 164.013-2 Incorporation by reference.
- 164.013-3 Material properties and workmanship.
- 164.013-4 Samples submitted for acceptance.
- 164.013-5 Acceptance tests.
- 164.013-6 Production tests, inspections, and marking.
- 164.013-7 Marking.

Subpart 164.015—Plastic Foam, Unicellular, Buoyant, Sheet and Molded Shape

- 164.015-1 Applicable specifications and standards.
- 164.015-2 Types.
- 164.015-3 Material and workmanship.
- 164.015-4 Inspections and tests.
- 164.015-5 Procedure for acceptance.

Subpart 164.018—Retroreflective Material for Lifesaving Equipment

- 164.018-1 Scope.
- 164.018-3 Classification.
- 164.018-5 Specifications and standards incorporated by reference.
- 164.018-7 Approval procedures.
- 164.018-9 Design requirements.
- 164.018-11 Approval tests.
- 164.018-13 Production inspections.

Subpart 164.019—Personal Flotation Device Components

- 164.019-1 Scope.
- 164.019-3 Definitions.
- 164.019-4 Component requirements.
- 164.019-5 Standard components; acceptance criteria and procedures.
- 164.019-7 Non-standard components; acceptance criteria and procedures.
- 164.019-9 Procedure for acceptance of revisions of design, process, or materials.
- 164.019-11 Certification (affidavits).
- 164.019-13 Production quality control requirements.
- 164.019-15 Component manufacturer records.
- 164.019-17 Recognized laboratory.